

Status of BY2011 Emissions Inventory

(Draft)

Sunil Kumar

MWAQC-TAC

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Overview

Base Year 2011 Emissions Inventory

- Source Sectors
 - ❖Point (EGU* & Non-EGU)
 - **☆**Area
 - ❖Nonroad (NMIM model & MAR** sources)
 - Onroad (MOVES2010a)
- ❖Period & Pollutants
 - ❖Annual VOC, NOx, CO, PM2.5-Pri, SO2, NH3
 - ❖Avg Ozone Season Day VOC, NOx, CO

^{*} EGU - Electric Generating Unit

^{**} MAR - Marine, Air, Rail



Status of BY2011 Emissions Inventories

Jurisd iction	Po	int	Arc	e a	NMI	M	MA	.R	MOV	'ES
	Annual	OSD	Annual	OSD	Annual	OSD	Annual	OSD	Annual	OSD
DC	\checkmark	✓	✓	✓	✓	✓	✓	√	\checkmark	√
MD	X	✓	✓	✓	✓	√	✓	X	✓	√
VA	√ 1	✓	✓	✓	✓	✓	✓	✓	✓	√

MOVES – Both annual and OSD runs completed, currently under MWAQC staff review.

¹ Except VOC and NOx



VOC

Jurisd iction	Poi	nt	Are	ea	NMI	M	MA	R	MOV	'ES
	Annual	OSD	Annual	OSD	Annual	OSD	Annual	OSD	Annual	OSD
DC	70.84	0.19	4212.49	12.98	1072.73	4.14	25.64	0.23		
MD		3.02	18120.37	55.73	8707.97	33.92	247.54			
VA			24000.30	66.15	7742.80	27.95	521.15	1.43		

VA's airport GSE emissions are included in MAR category, not in NMIM emissions.

MOVES – Both annual and OSD runs completed, currently under MWAQC staff review.



NOx

Jurisd iction	Poi	nt	Are	ea	NMI	M	MA	R	MOV	'ES
	Annual	OSD	Annual	OSD	Annual	OSD	Annual	OSD	Annual	OSD
DC	702.88	1.39	1357.18	0.005	2384.00	7.67	330.63	3.01		
MD		94.70	3546.87	0.50	7275.24	24.33	2191.37			
VA			3923.72	1.88	7723.94	24.95	3749.37	10.27		

VA's airport GSE emissions are included in MAR category, not in NMIM emissions.

MOVES – Both annual and OSD runs completed, currently under MWAQC staff review.



CO

Jurisd iction	Poi	nt	Are	ea	NMI	M	MA	R	MOV	'ES
	Annual	OSD	Annual	OSD	Annual	OSD	Annual	OSD	Annual	OSD
DC	438.86	0.98	867.30	0.25	11840.00	44.57	62.86	2.52		
MD			16368.72	17.29	98063.10	389.14	2954.29			
VA	1288.20	13.79	25435.84	14.13	99336.50	385.36	5719.33	15.67		

VA's airport GSE emissions are included in MAR category, not in NMIM emissions.

MOVES – Both annual and OSD runs completed, currently under MWAQC staff review.



PM2.5

Jurisdiction	Point	Area	NMIM	MAR	MOVES
	Annual	Annual	Annual	Annual	Annual
DC	55.44	381.41	202.50	8.67	
MD		4961.11	798.54	31.43	
VA	218.66	6239.71	860.42	104.57	

VA's airport GSE emissions are included in MAR category, not in NMIM emissions.

MOVES – Both annual and OSD runs completed, currently under MWAQC staff review.



SO2

Jurisdiction	Point	Area	NMIM	MAR	MOVES
	Annual	Annual	Annual	Annual	Annual
DC	569.92	981.52	6.23	13.28	
MD		1301.15	21.19	532.27	
VA	894.06	1627.97	22.52	361.78	

VA's airport GSE emissions are included in MAR category, not in NMIM emissions.

MOVES – Both annual and OSD runs completed, currently under MWAQC staff review.



NH₃

Jurisdiction	Point	Area	NMIM	MAR	MOVES
	Annual	Annual	Annual	Annual	Annual
DC	0.00	147.06	2.84	0.002	
MD		2246.06	10.90	0.00	
VA	43.36	1180.71	11.49	0.24	

VA's airport GSE emissions are included in MAR category, not in NMIM emissions.

MOVES – Both annual and OSD runs completed, currently under MWAQC staff review.